

APPENDIX OF AMENDMENTS TO CLAIMS 1, 3, 4, 7, 8, 11, AND 12

1. (Amended) A seal for a hydraulic cylinder rod, comprising:

a main body defining an opening therein and including an inner surface, an outer surface, a first radial face having a generally planar surface extending from the inner surface to the outer surface, a second radial face extending from the inner surface to the outer surface and having a groove disposed therein, the groove defining an inner lip adjacent the inner surface and an outer lip adjacent the outer surface; and

a relief feature disposed in the outer surface of the main body, the relief feature including a channel formed in the outer surface and extending from the first radial face [towards] to a recess, wherein a ridge separates the recess from the second radial face.

3. (Amended) The seal of claim [2] 1, wherein the recess has a circular shape.

4. (Amended) The seal of claim [2] 1, further including a second channel extending along the first radial face and connecting with said channel in the outer surface.

7. (Amended) A hydraulic cylinder assembly, comprising:

a housing defining at least one chamber configured to hold a pressurized fluid, the housing having a head defining an opening;

a cylinder rod having a surface and disposed for sliding movement in the opening of the housing; and

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a seal having a main body defining an opening configured to receive the cylinder rod therein, the main body including an inner surface, an outer surface, a first radial face having a generally planar surface extending from the inner surface to the outer surface, a second radial face extending from the inner surface to the outer surface and having a groove disposed therein, the groove defining an inner lip adjacent the inner surface and an outer lip adjacent the outer surface, the inner lip configured to engage the surface of the cylinder rod, the main body further including a relief feature disposed in the outer surface of the main body, the relief feature including a channel formed in the outer surface and extending from the first radial face [towards] to a recess, wherein a ridge separates the recess from the second radial face.

8. (Amended) The hydraulic cylinder assembly of claim 7, further including a second seal configured to engage the surface of the cylinder rod between the at least one chamber and the inner lip of said first seal and a third seal configured to engage the surface of the cylinder rod at a location where both the first and second seals [are disposed] engage the surface of the cylinder rod between the at least one chamber and the third seal.

11. (Amended) The hydraulic cylinder assembly of claim [10] 7, wherein the recess has a circular shape.

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12. (Amended) The hydraulic cylinder assembly of claim [10] 7, further including a second channel extending along the first radial face and connecting with said channel in the outer surface.

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